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1 [Monitoring hard disks with smart](#)

Bruce Allen

 January 2004 *Linux Journal*, Volume 2004 Issue 117

Publisher: Specialized Systems Consultants, Inc.

 Full text available: [html\(22.11 KB\)](#)
[Additional Information: full citation, abstract, cited by](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 45, Citation Count: 3

Keep an eye on your drives' health with an easy-to-configure tool.

2 [A distributed monitoring mechanism for wireless sensor networks](#)

Chih-fan Hsin, Mingyan Liu

 September 2002 *WISE '02: Proceedings of the 1st ACM workshop on Wireless security*

Publisher: ACM

 Full text available: [pdf\(318.53 KB\)](#)
[Additional Information: full citation, abstract, references, cited by, index terms](#)

Bibliometrics: Downloads (6 Weeks): 22, Downloads (12 Months): 139, Citation Count: 3

In this paper we focus on a large class of wireless sensor networks that are designed and used for monitoring and surveillance. The single most important mechanism underlying such systems is the monitoring of the network itself, that is, the control ...

Keywords: monitor and surveillance, security, system design, wireless sensor networks

3 [An analysis of a large scale habitat monitoring application](#)

Robert Szewczyk, Alan Mainwaring, Joseph Polastre, John Anderson, David Culler

 November 2004 *SenSys '04: Proceedings of the 2nd international conference on Embedded networked sensor systems*

Publisher: ACM

 Full text available: [pdf\(1.22 MB\)](#)
[Additional Information: full citation, abstract, references, cited by, index terms](#)

Bibliometrics: Downloads (6 Weeks): 38, Downloads (12 Months): 245, Citation Count: 42

Habitat and environmental monitoring is a driving application for wireless sensor networks. We present an analysis of data from a second generation sensor networks deployed during the summer and autumn of 2003. During a 4 month deployment, these networks, ...

Keywords: application analysis, habitat monitoring, implementation, long-lived systems,


microclimate monitoring, network architecture, sensor networks

4 [Report of the national workshop on internet voting: issues and research agenda](#)

C. D. Mote, Jr.

May 2000 dg.o '00: Proceedings of the 2000 annual national conference on Digital government research

Publisher: Digital Government Research Center

Full text available:  [pdf\(539.99 KB\)](#) Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 140, Citation Count: 0


As use of the Internet in commerce, education and personal communication has become common, the question of Internet voting in local and national elections naturally arises. In addition to adding convenience and precision, some believe that Internet ...

5 [Report of the national workshop on internet voting: issues and research agenda](#)

C. D. Mote, Jr.

May 2002 dg.o '02: Proceedings of the 2002 annual national conference on Digital government research

Publisher: Digital Government Research Center

Full text available:  [pdf\(539.99 KB\)](#) Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 166, Citation Count: 0

6 [PmEB: a mobile phone application for monitoring caloric balance](#)



Gunny Lee, Chris Tsai, William G. Griswold, Fred Raab, Kevin Patrick

April 2006 CHI '06: CHI '06 extended abstracts on Human factors in computing systems

Publisher: ACM

Full text available:  [pdf\(518.39 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 139, Citation Count: 3

In this paper, we present PmEB, an application for mobile phones that allows users to monitor their caloric balance as a part of weight management. PmEB allows users to track their caloric balance by recording food intake and physical activity on their ...

Keywords: behavior intervention, health, obesity, ubiquitous computing, user-centered design, weight management

7 [Clinical requirements engineering](#)



Stephen Fickas

May 2005 I CSE '05: Proceedings of the 27th international conference on Software engineering

Publisher: ACM

Full text available:  [pdf\(743.72 KB\)](#)  [Publisher Site](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 65, Citation Count: 1

In this paper, I make a case for integration of requirements engineering (RE) with clinical disciplines. To back my case, I look at two examples that employ a clinical RE approach, first, that of introducing email into the life of a brain-injured individual, ...

Keywords: clinical requirements engineering, deferred requirements/goals, goal attainment


scale, requirements monitoring, skill assessment

8 Experiences with Mirth: an open source health care integration engine

Gerald Bortis

May 2008 I CSE '08: Proceedings of the 30th international conference on Software engineering

Publisher: ACM

Full text available:  pdf(253.04 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 34, Downloads (12 Months): 34, Citation Count: 0

Integration engines are a crucial piece of the health care information technology puzzle. Health care organizations like hospitals and clinics are faced with vast amounts of data and a slew of interchange standards and protocols when addressing the issue ...


Keywords: health care integration, middleware, software architecture

9 Managing email usage: a cross case analysis of experiences with electronic monitoring and control

Aidan Duane, Patrick Finnegan

March 2004 I CEC '04: Proceedings of the 6th international conference on Electronic commerce

Publisher: ACM

Full text available:  pdf(328.95 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 46, Downloads (12 Months): 347, Citation Count: 0

An email system is a critical business tool. However, as electronic business activity increases, ad-hoc email implementation, prolonged management neglect and user abuse of email systems have generated negative effects. Anticipating, managing and preventing ...

Keywords: control, electronic monitoring, email systems, monitoring software, negative effects


10 MOLAR: adaptive runtime support for high-end computing operating and runtime systems

Christian Engelmann, Stephen L. Scott, David E. Bernholdt, Narasimha R. Gottumukkala, Chokchai

Leangsuksun, Jyothish Varma, Chao Wang, Frank Mueller, Aniruddha G. Shet, P. Sadayappan

April 2006 ACM SIGOPS Operating Systems Review, Volume 40 Issue 2

Publisher: ACM

Full text available:  pdf(522.97 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 58, Citation Count: 0

MOLAR is a multi-institutional research effort that concentrates on adaptive, reliable, and efficient operating and runtime system (OS/R) solutions for ultra-scale high-end scientific computing on the next generation of supercomputers. This research ...

Keywords: RAS, availability, fault tolerance, group membership, high-end computing, monitoring, reliability


11 Considerations for the design of exergames

Jeff Sinclair, Philip Hingston, Martin Masek

December 2007 GRAPHITE '07: Proceedings of the 5th international conference on Computer

graphics and interactive techniques in Australia and Southeast Asia

Publisher: ACM

Full text available:  pdf(201.87 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 63, Downloads (12 Months): 228, Citation Count: 0

Exergaming is the use of video games in an exercise activity. In this paper we consider game design for successful exergames. To do this, we review the history of exergaming and the current state of research in this field. We find that there exists some ...

Keywords: exergaming, games

12 [Survey and benchmark of block ciphers for wireless sensor networks](#)



Yee Wei Law, Jeroen Doumen, Pieter Hartel

February 2006 ACM Transactions on Sensor Networks (TOSN), Volume 2 Issue 1

Publisher: ACM

Full text available: pdf(354.39 KB) Additional Information: full citation, appendices and supplements, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 65, Downloads (12 Months): 520, Citation Count: 3

Cryptographic algorithms play an important role in the security architecture of wireless sensor networks (WSNs). Choosing the most storage- and energy-efficient block cipher is essential, due to the facts that these networks are meant to operate without ...

Keywords: Sensor networks, block ciphers, cryptography, energy efficiency

13 [Ten years of Forth in ACM Sigplan Notices: part 2](#)



Paul Frenger

April 2006 ACM SIGPLAN Notices, Volume 41 Issue 4

Publisher: ACM

Full text available: pdf(268.55 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 60, Citation Count: 0

Last column, we began a two-part retrospective to recap the first ten years of the *ACM Sigplan Notices Forth Report*. Our walk through memory lane began with a history lesson: who Chuck Moore is, the origins of the Forth programming language, Forth ...

14 [Usability and feasibility of PmEB: a mobile phone application for monitoring real time caloric balance](#)

Christopher C. Tsai, Gunny Lee, Fred Raab, Gregory J. Norman, Timothy Sohn, William G. Griswold, Kevin Patrick

March 2007 Mobile Networks and Applications, Volume 12 Issue 2-3

Publisher: Kluwer Academic Publishers

Full text available: pdf(384.05 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 34, Downloads (12 Months): 209, Citation Count: 0

Obesity is a major public health challenge with over 65% of US adults either overweight or obese. Estimated annual costs of obesity are \$78.5 billion. Self-monitoring is a critical skill for successful weight management. However, self-monitoring is labor-intensive, ...

Keywords: behavioral science, mobile communication, software prototyping, user centered design methodology

15 [Patient management systems: the early years](#)

W. E. Hammond



December 1987 Proceedings of ACM conference on History of medical informatics

Publisher: ACM

Full text available: [pdf\(880.60 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 44, Downloads (12 Months): 145, Citation Count: 0

As I scanned through old papers and reports in preparation for these remarks, I became depressed in the "sameness" of those proposals and descriptions with what is happening today. Then I realized there are major differences - today's systems ...

16

[SuperBreak: using interactivity to enhance ergonomic typing breaks](#)



Dan Morris, A.J. Bernheim Brush, Brian R. Meyers

April 2008 CHI '08: Proceeding of the twenty-sixth annual SIGCHI conference on Human factors in computing systems

Publisher: ACM

Full text available: [pdf\(907.85 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 38, Downloads (12 Months): 82, Citation Count: 0

Repetitive strain injuries and ergonomics concerns have become increasingly significant health issues as a growing number of individuals frequently use computers for long periods of time. Currently, limited software mechanisms exist for managing ergonomics; ...

Keywords: ergonomics, interruptions, physical interfaces, rsi

17

[Rational quality requirements for medical software](#)



Barbara Paech, Thomas Wetter

May 2008 ICSE '08: Proceedings of the 30th international conference on Software engineering

Publisher: ACM

Full text available: [pdf\(217.59 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 34, Downloads (12 Months): 34, Citation Count: 0

In this paper we discuss the challenges of software quality for medical software and present some ideas for improving medical software quality requirements through software engineering methods. We apply the quality requirements engineering method MOQARE ...

Keywords: medical business processes, medical software quality challenges, quality requirements, risk analysis

18

[The Inca Test Harness and Reporting Framework](#)

Shava Smallen, Catherine Olshanowsky, Kate Ericson, Pete Beckman, Jennifer M. Schopf

November 2004 SC '04: Proceedings of the 2004 ACM/IEEE conference on Supercomputing

Publisher: IEEE Computer Society

Full text available: [pdf\(3.91 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 24, Citation Count: 6

Virtual organizations (VOs), communities that enable coordinated resource sharing among multiple sites, are becoming more prevalent in the high-performance computing community. In order to promote cross-site resource usability, most VOs prepare service ...

19

[Research ethics and computer science: an unconsummated marriage](#)



David R. Wright

October 2006 SIGDOC '06: Proceedings of the 24th annual ACM international conference on Design of communication

Publisher: ACM

Full text available: pdf(164.99 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 123, Citation Count: 0

The ethical conduct of research is a cornerstone of modern scientific research. Computer science and the discipline's technological artifacts touch nearly every aspect of modern life, and computer scientists must conduct and report their research in ...

Keywords: codes of ethics, ethical dilemmas, research ethics, responsible conduct of research

20 Simplifying cyber foraging for mobile devices



Rajesh Krishna Balan, Darren Gergle, Mahadev Satyanarayanan, James Herbsleb

June 2007 MobiSys '07: Proceedings of the 5th international conference on Mobile systems, applications and services

Publisher: ACM

Full text available: pdf(370.50 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 184, Citation Count: 0

Cyber foraging is the transient and opportunistic use of compute servers by mobile devices. The short market life of such devices makes rapid modification of applications for remote execution an important problem. We describe a solution that combines ...

Keywords: mobile computing, programmer productivity, rapid prototyping, retargeting applications, software engineering, user study

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